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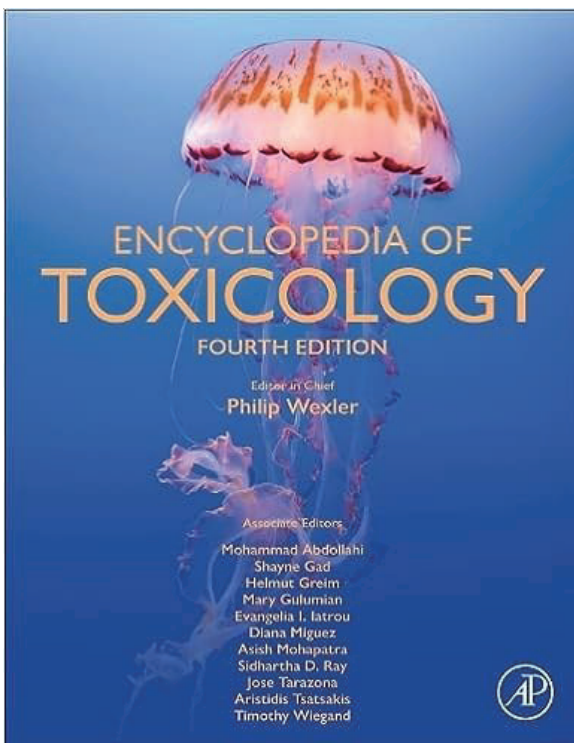
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Encyclopedia of Toxicology, 4th Edition

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Encyclopedia of Toxicology, 4th Edition은 현재 화학적, 생물학적, 물리적(예:방사선) 관점을 포함한 독성학의 여러 분야에 대한 가장 광범위한 개요입니다. 총 6권에 걸쳐 있는 이번 4번째 판은, 1,100개 이상의 챕터와 세계적인 수준의 편집 위원회가 엄선하고 편집한 주요 전문가들의 80개 이상의 새로운 장으로 구성되어 있습니다. 해당 도서에서 다루는 새로운 분야는 컴퓨터 독성학의 발전, 동물 실험의 대안을 다루는 연구 적용, 소비자 제품의 개발과 사용의 증가, 그리고 앞서 나열한 내용이 인구에 미치는 영향과 약학 성분의 도입 및 이용 증가를 포함하고 있습니다. 다른 챕터에서는 독성 노출과 그 영향에 대한 인공지능 모델, 용기 적합성 테스트, 기후 변화와 지구 온난화의 흡수 및 가뭄 등과의 관계성, 인간/동물/환경에 미치는 영향, 종 간의 감염을 예측하기 위한 서열 정렬과 같은 선별 도구에 대한 내용을 다루고 있습니다.

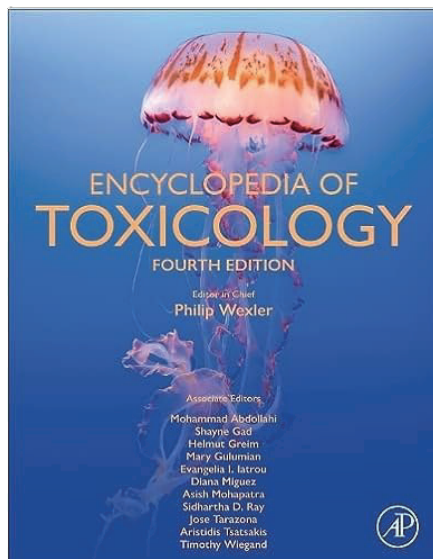
Meet the editors

Editor-in-Chief

Philip Wexler

Philip Wexler has written and edited numerous publications related to toxicology and toxico-informatics, as well as taught and otherwise lectured globally on these topics. He has been Editor-in-Chief of Elsevier's Encyclopedia of Toxicology including the current, 4th edition (2023) since its inception as well as Information Resources in Toxicology (Elsevier, 5th ed. 2020), and Chemicals, Environment, Health: A Global Management Perspective (CRC Press/Taylor and Francis, 2011). He has served as Associate Editor for Toxicology Information and Resources for Elsevier's journal, Toxicology and edited special issues on Digital Information and Tools. Phil is also overseeing a monographic series on Toxicology History. Volumes have been published on Antiquity, the Middle Ages and Renaissance, modern clinical toxicology, risk assessment, alternative test methods, food and nutrition, and disasters, with more in the planning stages. He is a co-Editor-in-Chief of the Taylor and Francis journal, Global Security: Health, Science, and Policy and a past recipient of the US Society of Toxicology's (SOT) Public Communications Award. Phil recently retired from a long federal career as a Technical Information Specialist at the National Library of Medicine's (NLM) Toxicology and Environmental Health Information Program, within its Specialized Information Services Division (SIS). His initial position at NLM was as a Fellow of its Associate Program and early work included a brief stint in the Reference Services Section. A recipient of the NLM Regents Award for Scholarly or Technical Achievement and the Distinguished Technical Communication Award of the Washington chapter of the Society for Technical Communication, he was team leader for the development of the ToxLearn online multi-module tutorials, a joint activity with the SOT. Phil had also been project officer for the LactMed file on drugs and lactation, and the IRIS (Integrated Risk Information System) and ITER (International Toxicity Estimates for Risk) risk assessment databases. Additionally, Phil had been the guiding force behind, and federal liaison to, the World Library of Toxicology, Chemical Safety, and Environmental Health (WLT) prototype, a free global Web portal that provided the scientific community and public with links to major government agencies, non-governmental organizations, universities, professional societies, and other groups addressing issues related to toxicology, public health, and environmental health prior to its migration to the INND/Toxipedia group. This multilingual tool, fed by information from a roster of international Country Correspondents, has been praised as a successful test resource for overcoming barriers to the sharing of information between countries, enhancing collaboration, and minimizing duplication. Currently on hiatus, it awaits a visionary funding source to become operational. A trustee of the Toxicology Education Foundation (TEF), Phil had previously served as its federal liaison. He is a past Chair of SOT's World Wide Web Advisory Team, and active in its Ethical, Legal, Forensics, and Social Issues Specialty Section. He was a member of the Education and Communications Work Group of the CDC/ATSDR's National Conversation on Public Health and Chemical Exposure. A co-developer of the Toxicology History Room, he is co-founder and was federal liaison to the Toxicology History Association. For many years he organized and emceed the popular Toxicology Quiz Bowl at the annual SOT meetings. In addition to pursuing toxicology-related activities in his retirement, Phil is happy to have more time to embrace other lifelong interests. He is the author of five poetry collections, a mosaic artist, and a cactus and succulent enthusiast.

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